Title (en)

EXPOSURE APPARATUS, SUBSTRATE CARRYING METHOD, EXPOSURE METHOD, AND METHOD FOR PRODUCING DEVICE

Title (de)

BELICHTUNGSGERÄT, SUBSTRATTRAGEVERFAHREN, BELICHTUNGSVERFAHREN UND VERFAHREN ZUR HERSTELLUNG EINER VORRICHTUNG

Title (fr)

APPAREIL D'EXPOSITION, PROCEDE DE TRANSPORT DE SUBSTRAT, PROCEDE D'EXPOSITION, ET PROCEDE DE PRODUCTION D'UN DISPOSITIF

Publication

EP 1672681 B1 20110511 (EN)

Application

EP 04792152 A 20041007

Priority

- JP 2004014855 W 20041007
- JP 2003349550 A 20031008

Abstract (en)

[origin: EP1672681A1] A substrate conveyance device that conveys a substrate having been exposed with a pattern image via a projection optical system and a liquid, the substrate conveyance device comprising: a liquid detector that detects the liquid adhering on the substrate.

IPC 8 full level

H01L 21/027 (2006.01); **G03F 7/20** (2006.01)

CPC (source: EP KR US)

G03B 27/42 (2013.01 - EP KR US); **G03D 3/00** (2013.01 - EP KR US); **G03F 7/2041** (2013.01 - KR); **G03F 7/70341** (2013.01 - EP KR US); **G03F 7/7075** (2013.01 - EP KR US); **G03F 7/7085** (2013.01 - KR); **H01L 21/0273** (2013.01 - KR); **H01L 21/0274** (2013.01 - KR); **H01L 21/677** (2013.01 - KR); **H01L 21/67709** (2013.01 - KR); **H01L 21/67718** (2013.01 - KR); **H01L 21/67748** (2013.01 - KR); **H01L 21/67751** (2013.01 - KR); G03F 7/2041 (2013.01 - US)

Citation (examination)

- JP 2000180371 A 20000630 - SHARP KK
- US 5274434 A 19931228 - MORIOKA HIROSHI [JP], et al

Cited by

US8059257B2; US10151983B2; US8040489B2; US8941808B2; US7929109B2; US8780323B2; US8236467B2; US8941812B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 04792152 A 20041007; AT 04792152 T 20041007; HK 06110789 A 20060928; JP 2004014855 W 20041007; JP 2005514600 A 20041007; JP 2009013518 A 20090123; JP 2011126741 A 20110606; JP 2012079587 A 20120330; KR 20067006650 A 20041007; KR 20117021338 A 20041007; KR 20127013849 A 20041007; KR 20137007424 A 20041007; TW 101136838 A 20041008; TW 93130457 A 20041008; US 201113067845 A 20110629; US 201213690577 A 20121130; US 39857206 A 20060406; US 65201507 A 20070111; US 88928807 A 20070810